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# News Release

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## RVT introduces new High Capacity Packing with reduced pressure drop and constant mass transfer efficiency at this year's FDTT 2015

- RVT has developed two new High Capacity Packings made of metal (RMP SP 250-1, RMP SP 250-2)
- The new High Capacity Packings were presented at the 2nd annual meeting of the technical community Fluid Dynamics and Separation
- RMP SP 250-2 reduces the pressure drop whereas maintaining the same mass transfer efficiency and a higher capacity

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In the course of the 2<sup>nd</sup> annual meeting of the technical community Fluid Dynamics and Separation (FDTT) in September in Bamberg (Germany), Dr. Jose Luis Solà Cervera explained the improved features of the latest in-house development of High Capacity Structured Packings RMP SP 250-1 and RMP SP 250-2 (preliminary names) of RVT.

Two modifications of the High Capacity Structured Packing (RMP SP 250-1 and RMP SP 250-2) with  $250\text{m}^2/\text{m}^3$  specific surface area were tested and analyzed by the SRP (Separation Research Program) at the University of Texas, Austin, regarding their mass transfer efficiency, pressure drop and capacity with the standard system cyclohexane/n-heptane at four operating pressures: 0.165, 0.33, 1.65 and 4.14 bar.

The results have been compared with those of the Standard High Capacity Packing RMP S 250.



The High Capacity Packing modification 1 (RMP SP 250-1) shows very similar mass transfer, pressure drop and capacity figures at all operating pressures compared to RMP S 250. It therefore can be used as a possible alternative to the standard version.

The High Capacity Packing modification 2 (RMP SP 250-2) stands out through a significant increase in packing capacity of 15% and an astonishing 30% reduction in pressure drop whereas maintaining the same mass transfer efficiency.

The application of the new High Capacity Packing modification RMP SP 250-2 offers considerable advantages. For new column design, investment costs could be saved substantially by reducing the tower diameters. In existing towers, throughput can be significantly increased without losing mass transfer efficiency.

#### **About RVT**

RVT Process Equipment GmbH is a medium sized family owned company located in Upper Franconia, Germany. Since 1976 our scope of supply has covered components for mass and heat transfer processes for chemical, petrochemical, refinery and environmental applications.

The overall array of products includes random packing, structured packing, column internals, mass transfer trays, complete columns and turnkey units for environment protection applications.

More than 140 employees work for the company in Steinwiesen and Marktrodach. Our two subsidiaries in Knoxville TN, USA, Kunshan PR China and representatives in all important market places are selling our products all over the world and are being used by many global players.

Further information on RVT is available on the internet at [www.rvtpe.com](http://www.rvtpe.com)

#### **Attachment**

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